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Claims

What is claimed is:

A method for tracking an object of interest using a camera associated with a hand-held processing device, the method comprising the steps of:

detecting relative movement between the hand-held device and the object of interest; and

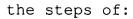
adjusting at least one setting of the camera so as to maintain a desired framing of the object of interest within an image generated by the camera.

- 2. The method of claim 1 wherein the camera is integrated into the hand-held device.
- 3. The method of claim 1 wherein the camera is part of a module insertable into the hand-held device.
- 4. The method of claim 1 wherein the camera comprises a physically adjustable camera.
- 5. The method of claim 1 wherein the camera comprises an electronically adjustable camera.
- 6. The method of claim 1 wherein the camera has one or more of an adjustable pan setting, an adjustable tilt setting, and an adjustable zoom setting.
 - 7. The method of claim \(\) wherein the hand-held device comprises a mobile telephone.
 - 8. The method of claim 1 wherein the hand-held device comprises a personal digital assistant (PDA).

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- 9. The method of claim \(\) wherein the hand-held device comprises a portable computer.
- 10. The method of claim 1 wherein the camera setting is adjusted based at least in part on an output of an orientation determination device integrated into or otherwise associated with the hand-held device.
- 11. The method of claim 10 wherein the orientation determination device comprises one or more gyroscopes integrated into the hand-held device.
 - 12. The method of claim 1 wherein the camera setting is adjusted based at least in part on an output of an image processing operation applied to an image generated by the camera.
 - 13. The method of claim 1 wherein the camera setting is adjusted based at least in part on a hybrid combination of an orientation determination operation and an image processing operation.
 - 14. An apparatus for tracking an object of interest, the apparatus comprising:
 - a hand-held processing device having at least one camera associated therewith, the hand-held device further comprising a processor operative to control the detection of relative movement between the hand-held device and the object of interest, and to adjust at least one setting of the camera so as to maintain a desired framing of the object of interest within an image generated by the camera.
- 30 15. An article of manufacture comprising a storage medium for storing one or more programs for tracking an object of interest using at least one camera associated with a hand-held processing device, wherein the one or more programs when executed by a processor implement



detecting relative movement between the hand-held device and the object of interest; and

adjusting at least one setting of the camera so as to maintain a desired framing of the object of interest within an image generated by the camera.